Complete list of elective courses at ETH 2021 / 2022
(Module courses and Recommended electives)

**Weather Systems and Atmospheric Dynamics**

**Module courses**
- 701-1221-00 Dynamics of Large-scale Atmospheric Flow (HS 2V+1U 4)
- 651-4053-05 Boundary Layer Meteorology (HS 3 G 4)
- 701-1224-00 Mesoscale Atmospheric Systems - Observation and Modelling (FS 2 V 2)
- 701-1216-00 Numerical Modelling of Weather and Climate (FS 3 G 4)
- 701-1226-00 Inter-annual Phenomena and their Prediction (FS 2 G 2)

**Recommended electives**
- 701-1236-00 Messmethoden in der Meteorologie und Klimaf. (FS 1 V 1)
- 701-1258-00 The Global Atmospheric Circulation (FS 1 G 2)
- 701-1266-00 Weather Discussion (FS 2P 2.5)

**Climate Processes and Feedbacks**

**Module courses**
- 701-1235-00 Cloud Microphysics (HS 2V+1U 4)
- 701-1251-00 Land-Climate Dynamics (HS 2 G 3)
- 701-1216-00 Numerical Modelling of Weather and Climate (FS 3 G 4)
- 701-1232-00 Radiation and Climate Change (FS 2 G 3)
- 701-1252-00 Climate Change Uncertainty and Risk: From Probabilistic Forecasts to Economics of Clim. Adaption (FS 2V+1U 3)
- 701-1228-00 Cloud Dynamics: Hurricanes (FS 3 G 4)

**Recommended electives**
- 651-4057-00 Climate History and Paleoclimatology (HS 2 G 3)
- 701-1317-00 Global Biogeochemical Cycles and Climate (HS 3 G 3)
- 651-4004-00 The Global Carbon Cycle - Reduced (FS 2 G 3)
- 651-4049-00 Conceptual and Quantitative Methods in Geochim. (FS 2 G 3)
- UNIBE-103709* Methods of Climate Reconstruction (FS every 2yr 2)
- UNIBE-26396 Quaternary Climate Change and Terrestrial Ecos. (FS 2 V 3)
* Takes place as block course (7 days) probably in June 2022

**Atmospheric Composition and Cycles**

**Module courses**
- 701-1233-00 Stratospheric Chemistry (HS 2V + 1U 4)
- 701-1239-00 Aerosols I: Physical and Chemical Principles (HS 2V+1U 4)
- 701-1234-00 Tropospheric Chemistry (FS 2 G 3)
- 701-1317-00 Global Biogeochemical Cycles and Climate (FS 2 G 3)
- 701-1238-00 Advanced Field and Lab Studies in Atmospheric Chemistry and Climate (FS 2 P 3)

**Recommended electives**
- 651-4023-00 Groundwater (FS 3 G 4)
- 102-0287-00 Fluvial Systems (HS 2 G 3)
- 701-0535-00 Environmental Soil Physics/Vadose Zone Hydrology (HS 2G+2U 3)
- 651-2915-00 Seminar in Hydrology (HS 1S 0)
- 860-0012-00 Cooperation and Conflict Over Int. Water Resources (FS 2 S 3)
- 701-1224-00 Mesoscale Atmospheric Systems- Observation and Modelling (FS 2 V 2)
- 701-1216-00 Numerical Modelling of Weather and Climate (FS 3 G 4)
- 102-0448-00 Groundwater II (FS 4 G 6)
- 102-0488-00 Water Resources Management (FS 2 G 3)
**Recommended as additional elective courses**

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<th>Course Code</th>
<th>Course Title</th>
<th>Type</th>
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